

# APPARATUS, SYSTEM, AND METHOD FOR ADAPTER FASTLOAD

## ABSTRACT OF THE DISCLOSURE

An apparatus, system, and method are disclosed for fastload code update on a communications adapter. The apparatus includes an image load module, a memory initialization module, and an image overlay module. The image load module is configured to load a copy of a new code image in a memory on the communications adapter. The memory also concurrently stores a copy of an old code image used by the communications adapter. The memory initialization module is configured to invoke the new code image to perform a memory initialization operation. The memory initialization module may perform the memory initialization operation concurrently with ongoing I/O requests possibly accepted, but not necessarily processed, by the old code image. The image overlay module is configured to overlay the old code image with the new code image. The fastload code update minimizes the time that the communications adapter is off-line to overlay the old code image with the new code image and reinitialize the communications adapter.